

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently Amended) A mixture in dry-powder form for forming a film or membrane for treating at least one of a soil surface or a soil mass, the mixture in dry-powder form comprising:

~~a basic powder mixture~~ of a water-soluble, dried and ground organic raw material;

a thickening agent; and

a pigment;

wherein at least one component of the mixture in dry-powder form ~~which~~ has a sufficient antioxidising effect to ensure that the film or membrane has an antioxidising effect on surrounding soil and air just above ground level ~~the surroundings~~; and

wherein the ~~powder~~ mixture in dry-powder form is saturated with electrons to at least electrical neutrality; and

wherein the film or membrane is formed by spreading the mixture over the soil surface or by arranging the mixture in the soil mass.

2. (Canceled)

3. (Currently Amended) A mixture according to claim 1, wherein the ~~powder~~ mixture is oversaturated with electrons and has an excess of negative electric charges.

4. (Currently Amended) A mixture according to claim 1, wherein the ~~basie~~ mixture further comprises a growth medium for microalgae.
5. (Currently Amended) A mixture according to claim 1 wherein the ~~basie~~ mixture comprises ~~from~~ 1 to 50 parts by weight of the organic raw material, 0.1 to 60 parts by weight of the thickening agent and ~~from~~ 2-50 parts by weight of the pigment.
6. (Currently Amended) A mixture according to claim 4, wherein the ~~basie~~ powder mixture contains ~~from~~ 0.1 to 10 parts by weight of microalgae.
7. (Currently Amended) A mixture according to claim 1, wherein the organic raw material is any material originating from the natural environment, the animal or plant kingdom, and that, in a dried and ground state, it contains fibres and adhesive compounds so that the material will function as a binder in the resulting film or membrane.
8. (Currently Amended) A mixture according to claim 7 wherein the ~~raw~~ organic raw material comprises substantially natural industrial or household waste, the waste being organic or biological.
9. (Currently Amended) A mixture according to claim 8, wherein the waste is vegetable debris that is at least one of dried and ground seaweed, sea grass or kelp, and that 3 to 6 parts by weight thereof are used in the ~~basie~~ mixture.
10. (Previously Presented) A mixture according to claim 9, wherein sea grass comprises at least one of the species Spartina or reeds.
11. (Currently Amended) A mixture according to claim 1, wherein the thickening agent is xanthan or xanthan gum, the xanthan or xanthan gum being present ~~added~~ in an amount of ~~from~~ 0.1 to 6 parts by weight.

12. (Previously Presented) A mixture according to claim 11, wherein the thickening agent comprises one or more alginates, the alginates being admixed and replacing at least part or all of the xanthan or xanthan gum.

13. (Canceled)

14. (Currently Amended) A mixture according to claim 1, wherein the pigment is a dry powder having light characteristics for forming a film or membrane having a high degree of reflection the pigment comprising one or more substances selected from the group consisting of stone, lime, sand, clay, chalk, shells, white mineral pigments, titanium oxide, white plant dyes, and white plant fibres, the pigments present being added in an amount of ~~from~~ 0.1 to 25 parts by weight.

15. (Currently Amended) A mixture according to claim 1, wherein the pigment is a dry powder having dark characteristics for forming a film or membrane having a low degree of reflection, the pigment comprising one or more substances selected from the group consisting of ash, coal, soot, carbon black, graphite, elementary carbon, ochre, bone, animal shells, marine shells, fish-scales, mineral pigments, plant dyes, plant pigments and algae-based components, the pigments being present ~~added~~ in an amount of ~~from~~ 0.1. to 25 parts by weight.

16-17. (Canceled)

18. (Currently Amended) A mixture according to claim 1, wherein the ~~basic powder~~ mixture further comprises one or more substances selected from the group consisting of binders, preservatives, fertilisers, water stabilisers, mineral salts, pH regulators, antioxidants and electrically conductive substances.

19. (Canceled)

20. (Previously Presented) A mixture according to claim 18, wherein the binders comprise organic glue and adhesive agents having a high protein content, the organic glue and adhesive agents being one or more substances selected from the group consisting of albumin glue, casein glue, animal glue, agar, alginic acid, ground acorn barnacles, latex and sap, the binders being added in an amount of from 0.1 to 15 parts by weight.

21. (Canceled)

22. (Currently Amended) A mixture according to claim 20, wherein the binders further comprise one or more fibres selected from the group consisting of cellulose fibre, plant fibre, textile fibre, animal fibre and reinforcing fibre, and that the fibre materials are present added in an amount of ~~from~~ 0.5 to 30 parts by weight.

23. (Canceled)

24. (Currently Amended) A mixture according to claim 18, wherein the fertiliser agents comprise one or more fertilisers selected from the group consisting of animal manure, fish guano, guano, urea, inorganic nutrient salts and micronutrients, the fertiliser materials being present added in an amount of ~~from~~ 0.1 to 20 parts by weight of dry powder.

25. (Canceled)

26. (Currently Amended) A mixture according to claim 18, wherein the electrically conductive additives comprise one or more substances selected from the group consisting of readily soluble mineral salts, ash, and carbon fibres, the electrically conductive substances being present added in an amount of ~~from~~ 0.1 to 15 parts by weight of dry powder.

27. (Canceled)

28. (Currently Amended) A mixture according to claim 18, wherein the water stabilisers comprise one or more substances selected from the group consisting of plant oils, mucilage, organic waxes and organic oils, the water stabilisers being present ~~added~~ in an amount of from 0.1 to 80 parts by weight of dry powder.

29. (Canceled)

30. (Currently Amended) A mixture according to claim 18, wherein the pH regulators comprise one or more substances selected from the group consisting of sap, basic minerals, ash, and salts of the alkaline and alkaline earth metals, the pH regulator being present ~~added~~ in an amount of ~~from~~ 0.1 to 50.

31. (Canceled)

32. (Previously Presented) A mixture according to claim 30, wherein the pH regulators are added in such quantity that the resulting membrane or film has a pH that is greater than 5.

33-57. (Canceled)

58. (Currently Amended) A mixture in dry-powder form for forming a film or membrane for treating a soil mass, the mixture in dry-powder form comprising:

(a) ~~a basic powder mixture comprising:~~

(i) a water-soluble, dried and ground organic raw material; ~~and~~

(ii) ~~at least one component which has a sufficient antioxidising effect to ensure that a formed film or membrane has an antioxidising effect on the surroundings;~~

(b) a thickening agent; and

(c) a pigment;

wherein at least one component of the mixture in dry-powder form has a sufficient antioxidising effect to ensure that the film or membrane has an antioxidising effect on surrounding soil and air just above ground level;

wherein the powder mixture is saturated with electrons to at least electrical neutrality;
and

wherein at least a portion of the film or membrane is formed at some distance down in the soil mass when the mixture is either spread over the soil surface or arranged in the soil mass.

59. (Previously Presented) A mixture according to claim 12, wherein the alginates replace all of the xanthan or xanthan gum.

60. (Previously Presented) A mixture according to claim 14, wherein the white plant fibers are one or more substances selected from the group consisting of cotton, bog cotton or algae based components.

61. (Currently Amended) A mixture according to claim 14, wherein the pigments are present added in an amount of ~~from~~ 0.1 to 10 parts by weight.

62. (Currently Amended) A mixture according to claim 15, wherein the pigments are present added in an amount of ~~from~~ 0.1 to 10 parts by weight.

63. (Currently Amended) A mixture according to claim 18, wherein the binders are present added in an amount of ~~from~~ 0.1 to 5 parts by weight.

64. (Currently Amended) A mixture according to claim 24, wherein the fertiliser materials are present added in an amount of ~~from~~ 0.1 to 15 parts by weight.

65. (Currently Amended) A mixture according to claim 64, wherein the fertiliser materials are present ~~added~~ in an amount of ~~from~~ 0.1 to 5 parts by weight.
66. (Currently Amended) A mixture according to claim 26, wherein the electrically conductive substances are present ~~added~~ in an amount of ~~from~~ 0.1 to 5 parts by weight of dry powder.
67. (Currently Amended) A mixture according to claim 28, wherein the water stabilisers are present ~~added~~ in an amount of ~~from~~ 0.1 to 25 parts by weight of dry powder.
68. (Currently Amended) A mixture according to claim 67, wherein the water stabilisers are present ~~added~~ in an amount of ~~from~~ 0.1 to 5 parts by weight of dry powder.
69. (Currently Amended) A mixture according to claim 30, wherein the pH regulators are present ~~added~~ in an amount of ~~from~~ 0.1 to 10.
70. (Previously Presented) A mixture according to claim 32, wherein the resulting membrane or film has a pH that is in the range of pH 5 to 10.